

ZEOLITE

PRODUCT IDENTIFICATION

CAS NO.	68989-22-0
EINECS NO.	215-283-8
FORMULA	$\text{Na}_{12}[-(\text{AlO}_2)(\text{SiO}_2)]_{12}\text{H}_2\text{O}$
MOL WT.	
H.S. CODE	3824.90
TOXICITY	
SYNONYMS	Sodium Calcium Silicoaluminate
CLASSIFICATION	

GENERAL DESCRIPTION

Zeolite is a group of natural or synthetic hydrated aluminosilicate minerals which contain alkali and alkaline metals. It is characterized by a framework structure that encloses interconnected cavities occupied by ion-exchangeable large metal cations and water molecules permitting reversible dehydration. Zeolite is recommended in detergent manufacturing for the applications of the removal of hardness and heavy metal ions and neutralisation of acid waters.

SALES SPECIFICATION

Property	Unit	Typical Value
Zeolite (Anhydrous)	%	78 - 80
SiO ₂	%	31 - 33
Al ₂ O ₃	%	28 - 30
Na ₂ O	%	15 - 16
Loss on Dry	%	20 - 22
Calcium Exchange Capacity	mg CaO/gm dry product	165
Relative Brightness	%	98
pH (5% in water)		11
Iron (as Fe)	ppm	110
Heavy metals (as Pb)	ppm	5
Mean Particle Size	µm	3.5
Bulk Density	kg/ lit	0.4

TRANSPORTATION

PACKING	25kgs in bag
HAZARD CLASS	Not regulated
UN NO.	
REMARKS	